## CLINICAL ELECTROENCEPHALOGRAPHY



## Author and Subject Index Volume 32, 2001

## **Index of Authors**

Ademoglu, Ahmet, 122 Agazzi, Emanuela, 145 Alsaadi, Taoufik, 87 Arikan, Kemal, 205 Attarian, H.P., 32 Aubert-Vázquez, E., 47 Bezerianos, Tassos, 139 Bodis-Wollner, I., 67, 96, 139 Bosch-Bayard, J., 47 Bschor, T., 36 Canovaro, Paola, 145 Carozzo, Simone, 145 Cengiz, Bulent, 92 Cheng, M.H., 75 Ciger, Abdurrahman, 1 Coban, Adnan, 205 Cui, Lili, 82 Davis, Jiang, 139 DeCarli, Fabrizio, 145 Demiralp, Tamer, 122 Demirkaya, Seref, 191 Duffy, Frank H., 160, 168 Erickson, S.M., 32 Eroglu, Erdal, 92, 191 Finsterer, Josef, 24 Friese, M., 186 Froescher, W., 186

Fuchigami, Tatsuo, 197 Fujii, Masami, 197 Fujita, Y., 75 Glanz, B.I., 14 Gökcil, Zeki, 92, 191 Gurer, Gunfer, 1 Hada, Y., 75 Hamamcioglu, Kemal, 191 Harmony, Thalia, 47 Hasegawa, Akira, 197 Henry, Charles E., No. 4, VI Hughes, John R., 10 Inoue, K., 75 Ioannides, Andreas A., 98 John, E. Roy, 47, 62 Kawamura, T., 75 Khoshbin, S., 14 Kobayashi, Toshio, 112 Kokrek, Zekeriya, 205 Kosian, Ralf, 184 Kutukcu, Yasar, 191 Laoprasert, P., 14 Madokoro, Shigeki, 112 Mamoli, Bruno, 24 Mari, Z., 67 McAnulty, Gloria B., 160,

Meglič, Nuška Pečarič, 28 Misaki, Kiwamu, 112 Morris, George L., 87 Mueller, Wade M., 87 Müller-Oerlinghausen, B., Nakagawa, Hiroki, 112 Narici, Livio, 145 Neubauer, David, 28 Niedermeyer, E., 20, 119 Odabasi, Zeki, 92, 191 Ofuji, A., 75 Onishi, Hiroaki, 197 Oran, Oznur, 205 Otto, Franz G., 184 Özdag, Fatih, 92, 191 Pacquiao, P.A., 32 Panjan, Darja Paro, 28 Pelzl, Georg, 24 Prichep, Leslie S., 62 Riera-Díaz, J., 47 Robertson-Thompson, A., 14 Rothmeier, J., 186 Sagliocco, L., 67 Saito, Takanori, 197 Sannita, Walter G., 145 Saygi, Serap, 1

Schur, P.H., 14 Sherman, David L., 119 Shiga, Y., 75 Skrandies, Wolfgang, 152 Tian, Shujuan, 82 Tolun, Hayati, 205 Tom, MeeLee, 62 Trujillo-Barreto, N., 47 Tzelepi, Areti, 139 Ulas. Umit Hidir. 191 Ulrich, G., 36 Unger, Elisabeth, 24 Uvsal, Omer, 205 Valdés-Sosa, P., 47 Valencia, Ignacio, 160, 168 Virues-Alba, T., 47 Vural, Okay, 92, 191 Waber, Deborah P., 160, Wada, Yuji, 112 Wang, Hui jun, 82 Wang, Yuping, 82 Willemsen, F., 186 Yamada, Thoru, 75, 197 Yamazaki, H., 75 Yeh, M.H., 75 Zartl, Max, 24

## Index of Subjects

- Abstracts and, ECNS 2nd Annual Meeting, Macon, Georgia, November 2000, 40-46
  - —First Satellite Meeting ECNS, Istanbul, Turkey, June 2001, 210-226
- Affect recognition and, single trial analysis of magnetoencephalographic signals, 98-111
- Affective disorder and, ERP correlates of lithium responsiveness, 225-226
- Alcoholism and, SESA syndrome, 184-190
- Alpha activity and, Alzheimer's disease, 211
  - -multistable perception during long term EEG 220
  - -unilateral subharmonics, 32-35
  - -vigilance in acute mania, with methylphenidate, 36-39
- -See also Neurofeedback
- Alzheimer's disease and, electrophysiological changes, 211,212
- Amyotrophic lateral sclerosis and, cognitive impairment, neuropsychological investigation and ERP, 220
- Anesthesia, neurophysical theory of consciousness, 213
  Apallic syndrome and, ERP as an index of preserved language processing, 223-224
- Artifact, EEG, and, reading an EEG, 44-45
- Attention deficit hyperactivity disorder (ADHD) and, frontal lobe disinhibition, 20-23
  - -P300.45
  - —QEEG in diagnosis and biofeedback treatment, 226 —sensorimotor rhythm with neurofeedback, 218
- Auditory evoked responses and, data reduction by PCA, variables sensitive to reading disability, 168-178
  - -discrimination tasks, 218-219
  - -headache, 42
  - -sensory gating in obsessive compulsive patients, 221
  - —sensory memory, 217-218
  - —similar words with phonemic difference, in children with good and poor reading scores, 160-167
  - —See also Event-related potentials, P50
- Biofeedback, See Neurofeedback
- Book review, A Concise Guide to Intraoperative Monitoring, No. 3: VII
- Brainelectrical microstates, psychiatric research, 212 Brainlesions and, epilepsia partialis continua, 1-9
  - -lymphomalocalization using VARETA, 62-66
- —SSEP cephalic and noncephalic references, 191-196
- Brain topography and, stereoscopic information in human visual cortex, 152-159
- -See also QEEG
- **Brain waves** and, biology, natural history and evolution of an information-rich sign of activity, 210-211
  - -self-regulation of slow cortical potentials, 224
- -See also EEG. QEEG
- Central nervous system lesions and, SSEP with cephalic and noncephalic references, 191-196
- Cerebrovascular disorder and, epilepsia partialis continua. 1-9

- Cognitive function and, Alzheimer's disease, 211, 212
  - -amyotrophic lateral sclerosis, 220
  - -developmental age, 218-219
- -elderly, QEEG predictors of dementia, 225
- -frontallobes, 213
- -See also Event-related potentials, P300
- Complex partial seizures and, prognostic value of lateralizing ictal features and temporal lobectomy, 87-91
- Conflict processing and, N270 in a color matching task, 82-86
- Consciousness and, neurophysical theory, 46, 213
- Contingent magnetic variation and, single trial analysis of magnetoencephalographic signals, 98-111
- Contingent negative variation and, amyotrophic lateral sclerosis, 220
- —EEG self-regulation of slow cortical potentials, 224 Continuous rhythmic mid-temporal discharge and, subtle clinical changes, 10-13
- Contrast stimulation and, oscillatory mass responses to visual stimulation in man, 145-151
- Corpus callosum and, time-frequency analysis of VEPs, 215-216
- Correlation dimension (D2) and, human sleep EEG analysis, 112-118
- **Decomposition** and, event-related brain potentials using wavelet transform, 122-138
- **Dementia** and, electrophysiological changes in Alzheimer's disease, 211, 212
  - —QEEG predictors of conversion to dementia in normal elderly, 225
- Digital signal processing and, single trial EP, accomplishments, limitations, promises, 212-213
- **Drugs** and, antiepileptic treatment, forced normalization of EEG, 40
  - -lithium, EP correlates in affective disorder, 225-226
  - -methylphenidate in acute mania, 36-39
  - -methylphenidate and treatment of ADHD, 45
- Dyslexia and, AER data reduction by PCA, development of variables sensitive to reading disability, 168-178
- -AER to similar words with phonemic difference, 160-167
- Dysphagia, and, neurophysiology of swallowing, 211
- Dysphoria and, forced normalization of EEG, 40
- Earthquake and, startle reaction, EEG correlates, 205-209
- EEG and, Alzheimer disease, 211
- -artifact interpretation, 44-45
- -continuous rhythmic mid-temporal discharge, 10-13
- -earthquake startle response, 40, 205-209
- -epilepsia partialis continua, 1-9
- -head injury, mild, 214
- -lateralizing features in temporal lobectomy, 87-91
- -lymphoma, 62-66
- -mania, with methylphenidate, 36-39
- -perception, 220

- -psychiatric disorder, 40, 212
- -re-emergence of systems neuroscience, 96-97
- -SESAsyndrome, 184-190
- -significance of marginal paroxysmal patterns, 44
- -sleep analysis with D2, 112-118
- -source spectra, 3D parameteric mapping, 47-61
- -startle disease, 92-95
- -systemic lupus erythematosus, 14-19
- -unilateral alpha subharmonics, 32-35
- -video monitoring respiratory disorder, 24-27
- -visual detecting performance, 217
- -wavelet analysis and perisaccadic changes, 210
- —wavelet transform and gamma responses to visual stimuli. 139-144
- -Zellwegersyndrome, 28-31
- —See also, QEEG, Neurofeedback, Alpha, Gamma and Slow activity. Seizures, Spikes

Slowactivity, Seizures, Spikes Elderly and, QEEG predictors of conversion to dementia, 225

Electrodecremental seizures and, ultrafast recording, 119-121

Electromagnetic field and, unlocking the cognitive dynamics of frontal lobes, 213

Electrophysiological testing and, obstacles for clinical use, 210

-systems neuroscience, 96-97, 98-178

Electroretinogram patterns and, foveal pathway, effect of spatial frequency and stimulus size, 67-74

Epilepsia partialis continua and, electrophysiological features of adult patients, 1-9

Epilepsy, See Seizures

Epileptiform activity and, continuous mid-temporal discharge, 10-13

- -pattern significance, 44
- -See also Spikes

Essential startle disease, may not be a uniform entity, 92-95 Event-related potentials and, Alzheimer's disease, 211, 212

- -amyotrophic lateral sclerosis, 220
- —apallic patients, index of preserved language processing, 223-224
- -assessment of cognitive functions, 221-222
- -attention deficit hyperactivity disorder, 45
- decomposition into multiple functional components using wavelet transform, 41-42, 122-138
- -gamma oscillations in human EEG, 219-220
- -headache, 42
- -lithium responsiveness in affective disorder, 225-226
- —low and high gamma responses to elementary visual stimuli, 139-144

   —multiple functional components using wavelet trans-
- —multiple functional components using wavelet transform, 41-41
- -MUSIC scanning, 214-215
- -N270 in color matching task, 82-86
- -obsessive compulsive disorder, 221
- -overview of P300 theory, 214
- -psychiatry, update, 212

- -P300 and neurofeedback, 218
- -schizophrenia, obstacles in testing for clinical use, 210
- —sensory gating effects on preattentive auditory sensory memory, 217-218
- -slow cortical potential shifts, 217
- -unlocking cognitive dynamics of frontal lobes, 213
- -visual and auditory discrimination tasks, 218-219

Evoked ptoentials and, AER data reduction by PCA, variables sensitive to reading disability, 168-178

- —AER to similar words with phonemic difference, children with good and poor reading scores, 160-167
- —cephalic and noncephalic references in central and peripheral NS lesions, 191-196
- —data reduction by singular value decomposition, 43
- -effect of stimulus intensity on SSEP, 75-81
- -headache, 42
- interaction between mixed-sensory and sensory-sensory nerves, 197-204
- interhemispheric transfer time and magnitude ratio, 215-216
- —low and high gamma responses to elementary visual stimuli, 139-144
- -retinocortical gain in foveal pathway, 67-74
- -startle disease, 92-95
- -stereoscopic information in visual cortex, 152-159
- —stimulus- and frequency-specific oscillatory mass responses to visual stimulation in man, 145-151
- -wavelet transform analysis of gamma activity, 41
- -See also Event-related potentials

Face recognition and, single trial analysis of magnetoencephalographic signals, 98-111

Factor analysis and, AER data reduction by PCA, development of variables sensitive to reading disability, 168-178

Fast activity and, ultrafast frequencies, a new challenge for EEG, 119-121

-See also Gamma frequency

Focal motor seizures and, epilepsia partialis continua, 1-9
Forced normalization and, EEG, clinical significance, 40
Fourteen and six/second positive spikes and, significance, 44

**Foveal vision** and, retinocortical gain, effect of spatial frequency and stimulus size, 67-74

Frontal localization and, disinhibition in Rett syndrome and ADHD, 20-23

- ERP correlates of lithium responsiveness in affective disorder, 225-226
- —neurophysiological testing and electrophysiological recordings in amyotrophic lateral sclerosis, 220
- obsessive compulsive patients, sensory gating assessment using P50 responses, 221
- —severity of schizophrenia, with deterioration of gating function, 216-217
- -unlocking cognitive dynamics, 213

Gamma frequency and, a new method of analysis of phase synchrony, 219-220

- perisaccadic human EEG changes quantified with wavelet analysis, 210
- -ultrafastfrequencies, 119-121
- -VEP with wavelet transform analysis, 41
- -wavelet transform of EEG reveals differences in responses to elementary visual stimuli, 139-144
- Genetic disorder and, Zellweger syndromne, unusual EEG findings, 28-31
- Glossary, systems neuroscience, thematic issue, 179-183 Grass, Ellen R., in memoriam, No. 4, VI
- **Head injury** and, diagnostic value of EEG in mild cases, 214 —ERP in apallic patients, 223-224
- Headache and, clinical neurophysiology, 42
- Hippocampus and, ultrafast frequencies, 119-121
- Hyperekplexia and, may not be a uniform entity, 92-95
- Independent component analysis and, unlocking the cognitive dynamics of the frontal lobes, 213
- Interhemispheric transfer time and, time frequency analysis of VEP, 215-216
- Inverse solutions and, VARETA, 47-61
- Language and, AER data reduction by PCA, development of variables sensitive to reading disability, 168-178
  - AER responses to similar words with phonemic difficulty, comparison between children with good and poor reading scores, 160-167
- -ERPin apallic patients, 223-224
- Lateralizaed EEG findings and, systemic lupus erythematosis, 14-19
  - -temporal lobectomy, 87-91
- Learning disorders and, AER and similar words with phonemic difference in good and poor readers, 160-167
  - —AER data reduction by PCA, development of variables sensitive to reading disability, 168-178
  - —See also Cognitive function, ADHD
- Lithium and, ERP correlates of responsiveness in affective disorder, 225-226
- **Locked-in syndrome** and, self-regulation of slow cortical potentials, 224
- Locking index and, stimulus- and frequency-specific oscillatory mass responses to visual stimulation in man, 145-151
- **Luminance stimulation** and, stimulus- and frequencyspecific oscillatory mass responses, 145-151
- **Lymphoma** and, localization, in deep white matter using VARETA, 62-66
- Magnetoencephalography (MEG) and, headache, 42
- -real time brain function, single trial analysis, 98-111 -re-emergence of systems neuroscience, 96-97
- Mania and, decreased EEG-vigilance, predictor for effect of methyphenidate, 36-39
- Matching pursuit and, stimulus- and frequency-specific oscillatory mass responses to visual stimulation, 145-151
- Median nerve stimulation and, cephalic and noncephalic references in central and peripheral NS lesions, 191-196
- **Methylphenidate** and, decreased level of EEG-vigilance in acute mania, 36-39

- -treatment of ADHD, 45
- Mismatch negativity and, ERP recording, 217-218, 221-222
- Motor cortex and, hyperexcitability in Rett syndrome and ADHD, 20-23
- Motor startle response and, essential startle disease, 92-95 Multimodal brain imaging, and VARETA, localizing deep
- white matter lymphoma, 62-66

  Multiple signal classification (MUSIC) and, localization of brain electrical sources, 214-215
- Mutual information and, real time human brain function, analysis of magnetoencephalographic signals, 98-111
- Neurofeedback and, role in treatment of ADHD/ADD, 226
- -sensorimotorrhythmeffecton P300, 218
- -Thought Translation Device, 222-223
- Neuromuscualr disorders and, video-EEG monitoring in respiratory chain disorders, 24-27
- Neuroscience and, special thematicissue, 96-183
- Noncephalic reference and, SSEP in central and peripheral NS lesions, 191-196
- Non-linear analysis and, human sleep EEG analysis using the correlation dimension, 112-118
- N270 and, interstimulus interval effect in a color matching task. 82-86
- Obsessive compulsive disorder and, sensory gating assessment using P50 responses, 221
- Occipital localization and, timing relation of EEG changes and voluntary saccades, 210
- -unilateral alpha subharmonics, 32-35
- Oscillatory potentials and, gamma responses, a new method of analysis of phase synchrony, 219-220
- low and high gamma responses to elementary visual stimuli, 139-144
- -responses to visual stimulation in man, 145-151
- Perception and, long term EEG recording, 220
- —See also Visual stimulation Periodic lateralized epileptiform discharges (PLEDs)
- and, epilepsia partialis continua, 1-9
  —SESA syndrome in chronic alcoholism, 184-190
- Peripheral nervous system and, SSEP with cephalic and noncephalic references, 191-196
- -SSEP conduction time, 75-81
- Perisaccadic EEG changes and, wavelet analysis, 210
- P50, and, effects of sensory gating on preattentive auditory sensory memory, 217-218
- —sensory gating assessment in obsessive compulsive patients, 221
- -See also Event-related potentials
- Phonemic discrimination and, AER in good and poor readers, 160-178
- Polysomnography and, sleep analysis using the correlation dimension, 112-118
- Principal component analysis and, AER data, development of variables sensitive to reading disability, 168-178 —EP data reduction, 43
- Psychiatric disorder and, brain electrical activity, EEG, ERP update, 212
  - -brain electrical microstates, 212

- -electrophysiological testing for clinical use, obstacles, 210
- -forced normalization of EEG, 40
- -lithium responsiveness in affective disorder, 225-226
- -schizophrenia, novelty P3a findings, 226
- —schizophrenia severity related with deterioration of gating function, 216-217
- -sensory gating in obsessive compulsive patients, 221
- -systemic lupus erythematosis with QEEG. 14-19
- -vigilance in acute mania, effect of methylphenidate, 36-39

Psychomotor variant and, continuous rhythmic mid-temporal discharge, 10-13

P3 and, amyotrophic lateral sclerosis, 220

- -assessment of cognitive function, 221-222
- -schizophrenia, 226
- -slow cortical potential shifts, 217
- -See also Event-related potentials, P300

P300 and, Alzheimer's disease, 211

- -cognitive impairment in amyotrophic lateral sclerosis, 220
- —decomposition into multiple functional components using wavelet transform, 41-42, 122-138
- -discrimination tasks in children and adolescents, 218-219
- -electrical brain activity update, 212
- -electrophysiological testing in schizophrenia, 210
- -headache, 42
- -lithium responsivenss in affective disorder, 225-226
- -MUSIC scanning, 214-215
- -novelty (P3a) findings in schizophrenia, 226
- -overview of theory, findings and applications, 214
- -sensorimotor rhythm, neurofeedback, 218
- -treatment of ADHD, 45
- -See also Event-related potentials

Quantitative EEG (QEEG) and, ADHD/ADD, role in diagnosis and to facilitate EEG biofeedback treatment, 226

- —AER data reduction by PCA, variables sensitive to reading disability, 168-178
- -diagnostic value in mild head injury, 214
- -evoked potential data update, 43
- -headache, 42
- —localization of deep white matter lymphoma using VARETA, 62-66
- -normative data analysis, 47-61
- —predictors of conversion to dementia in normal elderly with only subjective cognitive complaints, 225
- —systemic lupus erythematosus, 14-19

Random dot stereograms and, processing of stereoscopic information in human visual cortex, 152-159

Reading and, AER data reduction by PCA, development of variables sensitive to reading disability, 168-178

—AER to similar words with phonemic difference in good and poor readers, 160-167

-See also language

REM sleep and, EEG analysis using the correlation dimension, 112-118

Respiratory chain disorders and, video-EEG monitoring 24-27

Retinocortical gain and, foveal pathway, 67-74

Rett syndrome and, frontal lobe disinhibition, 20-23

Rhythmic mid-temporal discharge and, subtle clinical changes, 10-13

Rolandic localization and, Zellweger syndrome, continuous sharp waves and spikes, 28-31

Saphenous nerve and, SSEP interaction between mixedsensory and sensory-sensory nerves, 197-204

Schizophrenia and, novelty P300 (P3a) findings, 226

-severity with deterioration of gating function, 216-217

Seizures and, epilepsia partialis continua, 1-9

- -forced normalization of EEG, 40
- -lateralizing ictal features, and temporal lobectomy, 87-91
- -localization of brain electrical sources, 214-215
- -marginal paroxysmal patterns, 44
- -SESAsyndrome in chronic alcoholism, 184-190
- -status epilepticus, 44
- -ultrafast and ultra slow frequencies, 119-112
- -video-EEG in respiratory chain disorder, 24-27

Self-regulation and, slow cortical potentials, 224

—See also Neurofeedback Sensory gating and, obsessive compulsive patients, using P50 responses. 221

- -pathophysiology of schizophrenia, 216-217
- —preattentive auditory sensory memory, 217-218

SESA syndrome and, subacute encephalopathy with seizures in alcoholism, 184-190

Sharp waves and, significance, 44

- -systemic lupus erythematosis, 14-19
- -Zellwegersyndrome, 28-31
- -See also Spikes

Single trial analysis and, magnetoencephalographic signals, real time human brain function, 98-111

Sinusoidal gratings and, low and high gamma responses to elementary visual stimuli, 139-144

Six/second spike and wave and, significance, 44

Sleep and, Alzheimer's disease, EEG changes, 211

-EEG analysis using correlation dimension, 112-118

Slow activity and, Alzheimer's disease, 211

- -biology of brain waves, 210-211
- -epilepsia partialis continua, 1-9
- -lymphoma, localization using VARETA, 62-66
- -self-regulation in locked-in syndrome, 224
- —single pulse transcranial magnetic stimulation during feedback training, 222-223
- -sleep analysis using the correlation dimension, 112-118
- -slow cortical potential, 217, 222-223, 224
- -systemic lupus erythematosus, lateralized, 14-19
- -theta and delta in P300 latency range, 122-138
- -ultraslow activity, 119-121

Small sharp spikes and, significance, 44

Somatosensory evoked potential and, cephalic and noncephalic references in central and peripheral NS lesions, 191-196

—effect of stimulus intensity on latency and conduction time, 75-81

- -interaction between mixed-sensory and sensory-sensorvnerves 197-204
- See also Evoked potentials
- Source localization and, deep white matter lymphoma, using VARETA, 62-66
- Spatial frequency and, low and high gamma responses to elementary visual stimuli, 139-144
  - retinocortical gain in foveal pathway, 67-74
- Spikes and, biology of brain waves, 210-211
  - -complex partial seizures, predictive value of ictal lateralizing features in temporal lobectomy, 87-91
  - -continuous rhythmic mid-temporal discharge, 10-13
  - -epilepsia partialis continua with PLEDs, 1-9
  - -localization of brain electrical sources, 214-215
  - -marginal paroxysmal patterns, 44
  - -SESAsyndrome, 184-190
  - -startle disease, 92-95
  - -status epilepticus, 44
  - -video-EEG in respiratory chain disorders, 24-27
- Zellwegersyndrome, 28-31
- Spline wavelet transform and, MUSIC scanning for source localization, 214-215
- Startle disease and, not a uniform entity, essential, 92-95 Startle response and, earthquake, EEG correlates, 205-209
- Statistical parametric mapping and, EEG source spectra by variable resolution electromagnetic tomography, 47-61
- Status epilepticus and, studies, 44
- Stereoscopic vision and, processing of information in human visual cortex, psychophysical and electrophysiological evidence, 152-159
- Stress reaction and, earthquake, EEG correlates, 205-209 Subacute encephalopathy and, seizures in alcoholism,
- SESAsyndrome, 184-190 Subacute sclerosing panencephalitis and, epilepsia partialis continua, 1-9
- Sural nerve and, SSEP interaction between mixed-sensory and sensory-sensory nerves, 197-204
- Systemic lupus erythematosus and, lateralized EEG patients with neuropsychiatric manifestations, 14-19
- Systems neuroscience and, re-emergence, 96-97
- Temporal lobectomy and, prognostic value of lateralizing ictalfeatures, 87-91
- Temporal localization and, continuous rhythmic mid-temporal discharge, 10-13
  - systemiclupus erythematosus, 14-19
- -temporal lobectomy lateralizing ictal features, 87-91 Thalamus and, thalamocortical connections with ultrafast frequencies, 119-121
- Theta activity and, P300 latency range, 122-138
  - -hippocampal dysfunction in dementia, 225
- —See also Slow activity
  Thought Translation Device and, self-regulation of slow cortical potentials, with transcranial magnetic stimulation 222-223
- Tibial nerve and, SSEP interaction between mixed-sensory and sensory-sensory nerves, 197-204

- Time-frequency analysis and decomposition of eventrelated potentials using wavelet transform, 122-138
- -localization of brain electrical sources, 214-215
- -stimulus-and frequency-specific oscillatory mass responses to visual stimulation in man, 145-151
- synchrony of spatially distributed gamma oscillations. 219-220
- -VEPs for interhemispheric transfer time and magnitude ratio 215-216
- Transcranial magnetic stimulation and, applications, 43-44
- -slow cortical potentials during feedback training, 222-223 Traumatic brain injury and, diagnostic value of EEG in mild
  - -ERP in apallic patients, 223-224
- Ultrafast frequencies and, new challenge for EEG, 119-121
- -See also Gamma frequency
- Ultraslowactivity and, new challenge for EEG, 119-121
- Variable Resolution Electromagnetic Tomography (VARETA) and 3D statistical parametric mapping of EEG source spectra, 47-61
- -localization of deep white matter lymphoma, 62-66
- Video-EEG and, respiratory chain disorders, 24-27
- Vigilance level and, EEG in mania, 36-39
- Visual stimulation and, brain topography stereoscopic information in human visual cortex, 152-159
  - changes in frequency spectrum of EEG, 217
  - -discrimination tasks in children and adolescents, 218-219
  - -foveal pathway and retinocortical gain, effect of spatial frequency and stimulus size, 67-74
  - -gammarange and VEP parameters, 41
  - -headache, clinical neurophysiology, 42
  - -low and high gamma responses, 139-144
  - -N270 in a color matching task, 82-86
  - -perisaccadic changes with wavelet analysis, 210
  - -processing stereoscopic information, 152-159
  - -stimulus- and frequency-specific oscillatory mass responses, 145-151
  - -time-frequency analysis of VEPs, 215-216
  - -See also Event-related potentials
- Wavelet transform and, decomposition of ERP into multiple functional components, 122-138
- -differences in low and high gamma responses to elementary visual stimuli, 139-144
- event-related potentials, 41-42
- -localization of brain electrical sources, 214-215
- -overview, 41
- -perisaccadic human EEG changes, 210
- -P3 components, 46
- -re-emergence of systems neuroscience, 96-97
- -stimulus and frequency-specific oscillatory mass responses to visual stimulation in man, 145-151
- -visual stimulus evoked gamma activity, 41
- Zellweger syndrome and, unusual EEG findings, 28-31
- Z-transform and, source spectrum, VARETAimage, 47-61

